

W1147-0228

St. Jewell

SONDERLAND RPT. NO. 32381

J. T. Thompson & Co., Ed. no. 585  
Profile (as built).

---

RETAIL



© 2020

Lloyd's Register  
Foundation



W1147-0227

3/8 "Jewell"

SUNDERLAND RPT. NO. 32361.

J. L. Thompson & Sons' 585  
Decks. (as built).

---



© 2020

Lloyd's Register  
Foundation



W1147-0226

9/15 "Lewick":

SUNDERLAND RPT. NO. 32361.

J. F. Thompson & Sons 585.

Midship Section  
(as Built).

---

Lewick:

# S.S. N°585. "LERWICK."

## ~ MIDSHIP SECTION ~

PRINCIPAL DIMENSIONS	
LENGTH B.P.	400.0
BREADTH EXTREME	57.8
MOULDED	57.4 1/2
DEPTH MLD. UPPER DECK	31.7
TO LENGTH U.DK.	12.67
BOGE DK.	10.23

SINGLE DECK WITH POOP, BRIDGE & FORECASTLE.

LLOYD'S 100 A.I. CLASS.

ERRECTIONS 47.31% L.

SCALE 1/2" = 1 FOOT.

### NUMERALS

$$L \cdot D = 400 \times 31.58 = 12632$$

$$L (B + D) = 400 (57.37 + 31.58) = 35580$$

### EQUIPMENT NUMERALS

400 (57.37 + 31.58)	35580
POOP 35.25 x 7.5 x .78	198
BRIDGE 121.5 x 7.5 x .75	683
FORECASTLE 30.25 x 7.5 x .75	170
CASING 70.0 x 7.75 x .5	271
	36902

EFFICIENT SCARPING OF DIFFERENT THICKNESSES TO BE SECURED BY CAREFUL ARRANGEMENT OF DECK BUTTS.

NO CARGO BATTENS IN TWIN DECK BUNKER SPACE ABREAST ENGINE & BOILER ROOM, BUT FRAMES TO BE PUNCHED.

BRIDGE SIDES .60  
QUAD RIV. END LAPS  
SINGLE RIV. SEAMS POOP .38  
& END LAPS. FORECASTLE .41

SHEERSTRAKE 78 MIDSHIPS .80  
TO .45 AT ENDS  
QUAD RIV. END LAPS 1/2 L. TREBLE AT ENDS  
.61 IN WAY OF BRIDGE WITH  
TREBLE RIV. END LAPS.

STRAKE BELOW SHEERSTRAKE  
84 MIDSHIPS .65 TO .45 AT ENDS  
QUAD RIV. END LAPS 1/2 L. TREBLE AT ENDS  
.64 IN WAY OF BRIDGE WITH  
TREBLE RIV. END LAPS.

SIDE SHELL FOR A DISTANCE OF 10% L. AFT OF RULE POSITION OF COLLISION BULKHEAD = 25% ABOVE END THICKNESS.

SIDE SHELL  
MIDSHIP THICKNESS FORWARD OF COLLISION BULKHEAD FROM BELOW LIGHT LINE TO ABOVE LOAD LINE (PER OWNERS)

SIDE SHELL .61 TO .45  
1.01 IN WAY OF 30 SPACING = .62 TO .45 IN PEAKS  
TREBLE RIV. END LAPS

BRIDGE STRINGER 5 1/2 x .50

.61 IN WAY OF HATCHES.

QUAD RIV. OVERLAP BUTTS AT .61 PLATING.

FORECASTLE & POOP STR. 35 x .35 SINGLE RIV. END LAPS.

BRIDGE STR. BARS 5 x 5 x .50

FORECASTLE & POOP STR. BARS 3 1/2 x 3 1/2 x .35.

BRIDGE DECK .42 IN WAY OF CASING DOUBLE RIV. END LAPS

.61 HATCHES. TREBLE

POOP DECK .30 .26 UNDER SHEATHING SINGLE RIV. END LAPS

FORECASTLE DECK .34

BRIDGE DECK .36 WITHIN LINE OF OPENINGS.

DOUBLE RIV. END LAPS.

THROUGH BEAMS 10 x 3 1/2 x .40 B.A. N.B.S. KNEES 28 1/2 x .46

6 RIVETS 3/4 DIA.

IN 128 1/2 KNEES.

BRIDGE FRAMES 7 x 3 1/2 x .42 B.A. N.B.S.

ON ALTERNATE FRAMES

15 MAIN FRAMES CARRIED TO BRIDGE DECK

ON AFTER MAIN HATCH ENDS.

PARTIAL B.H.DS OVER B.H.DS 82 & 100

.34 WITH 3 PL. 3 x 3 x .34 TO DECK

1/8 DRAIN HOLE IN EACH FRAME.

WELDED PLATE COLLAR AT EACH FRAME.

4 CONSECUTIVE FRAMES 7 x 3 1/2 x .42 B.A. N.B.S.

AT BRIDGE ENDS.

DECK & STR. IN WAY OF HATCHES IN WELLS 1-20. INSIDE OPENINGS .41

STR. AT ENDS 39 x .42

SEAMS & BUTTS AS PER DECK PLAN

UNDER BOGE STR. 73 x .51 DOUBLE RIV. END LAPS

.51 AT CASINGS.

UPPER DK UNDER BRIDGE .36 IN WAY OF CASING

.51 HATCHES.

.34 WITHIN LINE OF DK. OPENINGS.

END LAPS DOUBLE RIVETED.

7 x 3 1/2 x .44 SINGLE CHANNEL PILLARS  
TWO FRAME SPACES APART, REELED.  
2 PILLARS AT HATCH ENDS BRACKETED TOP & BOTTOM.  
SINGLE CHANNEL PILLARS  
WELDED TO DECK.

STEM 9 1/2 x 2 1/2 ROLLED STEEL BARS

STEM FRAME (PART CAST STEEL) PLAN TO BE SUBMITTED

RUDDER SEMI-BALANCED A x D = 329

SPEED 10 1/2 KNOTS RUDDER HEAD 8 1/2 DIA.

PLAN TO BE SUBMITTED

### MAIN FRAMES

15 x 4 x .4 .50 .62 .56 .62 IN BOILER RM & PERMANENT BUNKERS.

SPACED 30 APART 27 FORWARD OF 3/8 L. 12 x 3 1/2 x 3 1/2 x .44 W. .60 L. IN WAY OF DEEP TANK.

IN AFTER HOLD 30' APART.

FORE PEAK FRAMES 7 x 3 1/2 x .50 B.A. N.B.S. 21 APART.

AFTER 7 x 3 1/2 x .54 B.A. N.B.S. 24

RIVETS IN SIDE FRAMES TO SHELL 6/8 DIA. APART.

5/8 DIA. APART IN WAY OF PANTING FRAMES & IN PEAK TANKS.

17 x 4 x .48 .65 FOR 10% AFT OF RULE POSITION OF COLLISION BULKHEAD

WEB FRAME ON FRAME 93

30 x .44 .6 x 3 1/2 x .50 FACE BAR 3 1/2 x 3 1/2 x .48 SHELL BAR

TRIPPING BRACKET AT HALF HEIGHT.

MARGIN PLATE 70 x .48 .56 B.S. TREBLE RIV. END LAPS.

MARGIN WELDED TO SHELL & FRAMES.

FILLING PIECE IN WAY OF FRAMES.

SPOT WELD

FLANGE CONTINUOUS THROUGH TANK TOP

DOUBLE WOOD CEILING ON TANK TOP

3 RED WOOD & 1 1/2 WHITE WOOD ON 2 BATTENS

TANK TOP CENTRE STRAKE 54 x .50 TO .42 .56 B.S. + 10 PER OWNERS .66

TREBLE RIV. END LAPS FOR 1/2 L. DOUBLE AT ENDS.

SINGLE RIVETED SEAMS IN TANK TOP

DOUBLE IN ENG. RM & STOKES HOLD.

STIFFENERS

WELDED TO TANK TOP

PROPELLER BOSS PLATES .71

BILGE KEEL 6 x 4 x .50 T.BAR

BULB PLATE 12 x .45

BOTTOM FRAMES FROM 1/2 L. FORD TO RULE POSITION

OF COLL. B.H.D. 5 x 5 x .42 ON SOLID FLOORS.

3 1/2 x 3 1/2 x .42 BACK BAR ON SKEL FLOORS BETWEEN

FLANGES OF BRACKETS & VERTICALS.

RIVETS TO SHELL & FLOORS 5/8 DIA. APART.

FLANGE CONTINUOUS THRO TANK TOP

BOTTOM SHELL .61 TO .47 IN PEAKS

.61 IN WAY OF 30 SPACING .62 TO .48 .47 IN PEAKS.

QUAD RIV. END LAPS FOR 21

TREBLE AT ENDS.

RIVETS IN BOTTOM FRAMES

TO SHELL 7/8 DIA. APART.

3 STRAKES ADJACENT KEEL .68 FROM 1/2 L. TO 3/8 L. FOR

.67 3/8 L. TO RULE

KEEL 49 1/2 x .79 FOR 3/8 L. TO .69 AT ENDS.

END LAPS QUAD RIVETED TREBLE AT ENDS

1 RIVETS IN END LAPS ABOVE .72 7/8 AT ENDS

7/8 RIVETS IN SEAMS AND FRAMES.

12098

585

5/14/58

95-60-57

© 2020

W1147-0225

SUNDERLAND.

Messrs. J. L. Thompson & Sons Ltd.  
Yard No 585

Messrs. G. Clark (1936) Ltd.

Contract No 1209.

Main Bilers

"Jewell."

SUNDERLAND RPT. NO. 32381.



RETAIN



© 2020

Lloyd's Register  
Foundation

W1147-0225<sup>1</sup>/<sub>2</sub>

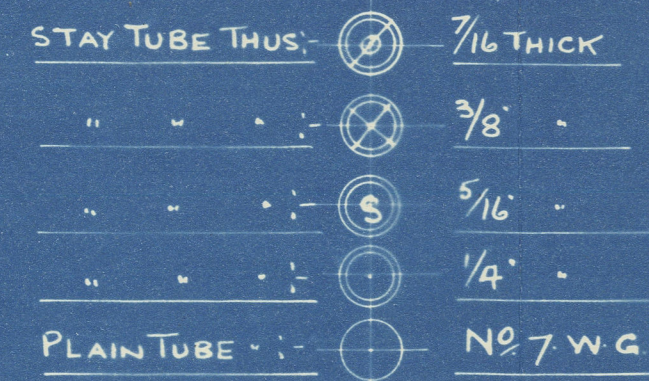
Enclosure from

GEORGE CLARK (1936) LTD.

For ..... *Lloyds* .....

3. OFF FOR MESSRS J. L THOMPSON + SONS LTD S/S No<sup>s</sup> 585-581

HEATING SURFACE sq.	SOFT
HEATING SURFACE IN ONE TUBE	6.16
" " 244 TUBES	1516
" " 3 CHAMBERS	123
" " 3 FURNACES	125.
" BACK TUBE PLATES	36
" FRONT " "	29
TOTAL H.S. IN ONE BOILER:	188.9
GRAND " " THREE BOILERS:	566.7.
TOTAL GRATE SURFACE " BARS	
" AREA THRO' TUBES "	25.8 sq.
RATIO: $\frac{\text{TUBE AREA}}{\text{GRATE AREA}}$	
TOTAL STEAM SPACE TO 6' ABOVE LEVEL OF TUBES.	11.19 cu ft



"	"	"	OTHER PLATES
"	"	"	SCREW STAYS
"	"	"	RIVETS

23%	8 TIMES DIA <sup>R</sup> OF TEST PIECE
25%	" " " " " " " " " "

S.D. STEEL TUBES (3 BOILERS)

(SHELL PLATING AS DRAWN FOR STARB<sup>2</sup>)

BOILER TO OPPOSITE HAND FOR PORT + CENTRE BL<sup>RS</sup>

SOLID STEEL STAYS  $2\frac{5}{8}$ " DIA<sup>R</sup> STAYED UP TO  
3" DIA<sup>R</sup> AT ENDS - 6 THREADS PER 1"  
EFF DIA<sup>R</sup> AT 8.0 THREAD =  $2.787$ "

13-6 EX DIAR.

SCALE 1" = 1 FOOT. FEB-12<sup>th</sup> 34. J G M F

## SHELL RIVETING.

### POSITION OF SCREW

FRONT CIR SEAM 1/6 HOLES 3 3/4 APART

ACT CIP SEAM  $\frac{3}{8}$ " HOLES  $\frac{1}{8}$ " APART.

FRONT

2 3 2

LINE OF INSIDE BUTTSTRAP AT FRONT AND BACK ENDS SCARPHED TO INNER ROW OF RIVETS

INSIDE BUTTSTRAPS =  $1\frac{1}{8}$ "  
OUTSIDE " = 1"

12. BARS - 3" DIA<sup>R</sup> x 12'-8" LONG

66 OFF 1-2<sup>5</sup>/<sub>8</sub> LONG x 1<sup>7</sup>/<sub>8</sub> DIA<sup>9</sup> OT

### SCREW STAYS (STEEL).

23 BARS -  $\frac{25}{32}$  DIA. x 12'-0" LONG.

$$32 \text{ " } - \left| \frac{29}{32} \right| \text{ " } \times 12 \cdot 0 \text{ "}$$

{ MANHOLE AS DRAWN FOR PORT + CENTRE BOILERS  
TO OPPOSITE HAND FOR STABO.

NUTS  $\frac{7}{8}$ " DEEP ON  $1\frac{3}{4}$ " STAYS

"	1"	"	"	$1\frac{7}{8}$ "	2"	"
"	$1\frac{1}{8}$ "	"	"	$2\frac{1}{4}$ "	"	"

**No 1209** Lloyd's Register  
Foundation  
W147-0725-2

W1147-0224

G. CLARK (1936) L.D.

Cont. N° 1209

---

Grand Shaft.

---

"Jewell"  
BUNDERLAND RPT. NO. 32361.



© 2020

Lloyd's Register  
Foundation

W1147-0224  $\frac{1}{2}$

Enclosure from

GEORGE CLARK (1936) LTD.

For

*Clayton*

*Slam*

